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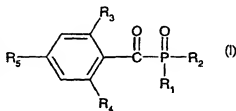
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(54) Title: PHOTOINITIATOR FORMULATIONS

(57) Abstract: Aqueous, storage-stable, non-sedimenting photoinitiator
suspensions comprising (a) a mono- or bis-acylphosphine oxide of formula
(I), wherein R₁ is C₁-C₂₀alkyl; C₂-C₂₀alkyl interrupted by one or more O
atoms; C₁-C₁₂alkoxy; phenyl-C₁-C₄alkyl; or phenyl that is unsubstituted or
substituted by C₁-C₂₀alkyl, C₁-C₁₂alkoxy, halogen, cyclopentyl, cyclohexyl,
C₂-C₁₈alkenyl, C₂-C₁₈alkyl interrupted by one or more O atoms, and/or by
phenyl-C₁-C₄alkyl; or R₁ is biphenyl; R₂ is an aromatic radical or has one
of the meanings given for R₁; R₃ and R₄ are each independently of the other
C₁-C₁₂alkyl, C₁-C₁₂alkoxy or halogen; and R₅ is hydrogen, C₁-C₁₂alkyl,
C₁-C₁₂alkoxy or halogen; (b) a dispersant; and (c) water are suitable especially in the photopolymerisation of aqueous formulations
comprising ethylenically unsaturated monomers.

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